

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the government Issuing Contracting Officer for the Contract/PR No. in Block E

A. CONTRACT LINE ITEM NO.	B. EXHIBIT A	C. CATEGORY: TESTING AND INSPECTION TDP_____ TM_____ OTHER_____
---------------------------	-----------------	--

D. SYSTEM/ITEM CYLINDER MAIN LANDI	E. CONTRACT/PR NO. FD2020-03-22230 P	F. CONTRACTOR CC1PPIP
---------------------------------------	---	--------------------------

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A001	TEST/INSPECTION REPORTS	OVERNMENT TESTING

4. AUTHORITY (Data Acquisition Document No.) DI-NDTI-80809B/T	5. CONTRACT REFERENCE	6. REQUIRING OFFICE OO-ALC/MADLV
--	-----------------------	-------------------------------------

7. DD 250 REQ DD	9. DIST STATEMENT REQUIRED	10. FREQUENCY 1TIME	12. DATE OF FIRST SUBMISSION BLK 16	14. DISTRIBUTION	
8. APP CODE N/A	D	11. AS OF DATE N/A	13. DATE OF SUBSEQUENT SUBM. N/A	a. ADDRESSEE	b. COPIES final draft reg repr

[illegible]

G. PREPARED BY RAY BROWN LG00 DATA MGR	H. DATE 17 OCT 02	I. APPROVED BY BRYAN SMITH/LG00/CM	J. DATE 17 OCT 02
---	----------------------	---------------------------------------	----------------------

INSTRUCTIONS FOR COMPLETING DD FORM 1423

(See DoD 5010.12M for detailed instructions.)

FOR GOVERNMENT PERSONNEL

- Item A. Self-explanatory.
- Item B. Self-explanatory.
- Item C. Mark (X) appropriate category: TDP - Technical Data Package; TM - Technical Manual; Other - other category of data, such as 'Provisioning', 'Configuration Management', etc.
- Item D. Enter name of system/item being acquired that data will
- Item E. Self-explanatory (to be filled in after contract award).
- Item F. Self-explanatory (to be filled in after contract award).
- Item G. Signature of preparer.
- Item H. Date CDRL was prepared.
- Item I. Signature of CDRL approval authority.
- Item J. Date CDRL was approved.
- Item 1. See DoD FAR Supplement Subpart 4.71 for proper numbering.
- Item 2. Enter title as it appears on data acquisition document cited in Item 4.
- Item 3. Enter subtitle of data item for further definition of data item (optional entry).
- Item 4. Enter Data Item Description (DID) number, military specification number, or military standard number listed in DoD 5010.12-L (AMSDL), or one-time DID number, that defines data content and format requirements.
- Item 5. Enter reference to tasking in contract that generates requirement for the data item (e.g. Statement of Work paragraph number).
- Item 6. Enter technical office responsible for ensuring adequacy of the data item.
- Item 7. Specify requirement for inspection/acceptance of the data item by the Government.
- Item 8. Specify requirement for approval of a draft before preparation of the final data item.
- Item 9. For technical data, specify requirement for contractor to mark the appropriate distribution statement on the data (ref DoDD 5230.24).
- Item 10. Specify number of times data items are to be delivered.
- Item 11. Specify as-of date of data item, when applicable.
- Item 12. Specify when first submittal is required.
- Item 13. Specify when subsequent submittals are required, when applicable.
- Item 14. Enter addresses and number of draft/final copies to be delivered to each addressee. Explain reproducible copies in Item 16.
- Item 15. Enter total number of draft/final copies to be delivered.
- Item 16. Use for additional/clarifying information for items 1 through 15. Examples are: Tailoring of documents cited in Item 4; Clarification of submittal dates in Items 12 and 13; Explanation of reproducible copies in Item 14; Desired medium for delivery of the data item.

FOR THE CONTRACTOR

- Item 17. Specify appropriate price group from one of the following groups of effort in developing estimated prices for each data item listed on the DD Form 1423.
 - a. Group I. Definition - Data which is not otherwise essential to the contractor's performance of the primary contracted effort (production, development, testing and administration) but which is required by DD Form 1423.

Estimated Price - Costs to be included under Group I are those applicable to preparing and assembling the data item in conformance with Government requirements, and the administration and other expenses related to reproducing and delivering such data items to the Government.
 - b. Group II. Definition - Data which is essential to the performance of the primary contracted effort but the contractor is required to perform additional work to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, or quality of the data item.

Estimated Price - Costs to be included under Group II are those incurred over and above the cost of the essential data item without conforming to Government requirements, and the administrative and other expenses related to reproducing and delivering such data item to the Government.
 - c. Group III. Definition - Data which the contractor must develop for his internal use in performance of the primary contracted effort and does not require any substantial change to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, and quality of the data item.

Estimated Price - Costs to be included under Group III are the administrative and other expenses related to reproducing and delivering such data item to the Government.
 - d. Group IV. Definition - Data which is developed by the contractor as part of his normal operating procedures and his effort in supplying these data to the Government is minimal.

Estimated Price - Group IV items should normally be shown on the DD Form 1423 at no cost.
- Item 18. For each data item, enter an amount equal to that portion of the total price which is estimated to be attributable to the production or development for the Government of that item of data. These estimated data prices shall be developed only from those costs which will be incurred as a direct result of the requirement to supply data, over and above those costs which would otherwise be incurred in performance of the contract if no data were required. The estimated data prices shall not include any amount for rights in data. The Government's right to use data shall be governed by the pertinent provisions of the contract.

REV:	ENGINEERING DATA REQUIREMENTS (ATTACHMENT "A")	
NOTE: MILITARY SPECIFICATIONS/STANDARDS WILL NOT BE FURNISHED IN THE BID SET.		
1. THE FOLLOWING INSTRUCTIONS ARE FURNISHED FOR THE MANUFACTURE OF CYLINDER ASSEMBLY-MAIN LANDING GEAR		
2. PART NUMBER 68A412702-1001	3. NATIONAL STOCK NUMBER 1620-01-235-2927	
4. THE FOLLOWING SPECIFICATIONS/STANDARDS, ETC., WILL BE USED IN LIEU OF THE DATA INDICATED. THE SUPERSEDED DATA WILL NOT BE FURNISHED UNLESS SO INDICATED.		
5. OO-ALC/LILE SYSTEM ENGINEERING RETAINS ALL RIGHTS TO REVIEW AND ACCEPT/REJECT MATERIAL REVIEW BOARD (MRB) DISPOSITIONS PRIOR TO SHIPMENT OF DISCREPANT ITEM. ALL DEVIATIONS, MINOR AND MAJOR, FROM THE ENGINEERING DRAWING PACKAGE SHALL BE SUBMITTED FOR MRB DISPOSITION.		
6. PRIOR TO CONTRACT AWARD, THE CONTRACTOR SHALL CERTIFY TO THE GOVERNMENT IN WRITING FULL COMPLIANCE WITH MANUALS, SPECIFICATIONS, AND STANDARDS CALLED OUT AND REQUIRED FOR THE MANUFACTURE OF THIS CONTRACTED LANDING GEAR COMPONENT/ASSEMBLY. CONTRACTOR IS RESPONSIBLE TO COMPLETELY SEARCH THESE MANUALS, SPECIFICATIONS, AND STANDARDS AND FULLY UNDERSTAND THE REQUIREMENTS NECESSARY TO MANUFACTURE LANDING GEAR COMPONENTS. ANY QUESTIONS CAN BE FORWARDED TO THE OFFICE OF OO-ALC/LILE.		
7. AFTER CONTRACT AWARD, THE SUCCESSFUL BIDDER SHALL PROVIDE A COPY OF THE PROCESSING DOCUMENTATION (ROUTING DOCUMENTS AND PROCESS SPECIFICATIONS) TO LILE FOR FINAL REVIEW BEFORE PRODUCTION BEGINS.		
8. IDENTIFICATION AND MARKING PER MIL-STD-130 AS AN ALTERNATE TO PS 16001.		
9. SERIALIZATION OF ITEM SHALL BE ACCOMPLISHED AS FOLLOWS: SERIAL NUMBER SHALL BE VIBROPEENED (WITH VIBRATING PNEUMATIC PENCIL), IN 0.09" LETTERS 0.004"-0.007" DEEP IN THE LOCATION INDICATED. IF THE DRAWING DOES NOT INDICATE A LOCATION, OO-ALC/LILE SHALL PROVIDE S/N LOCATION INSTRUCTIONS. SERIALIZATION OF ITEM SHALL BE ACCOMPLISHED AS FOLLOWS: THE SERIALIZATION SHALL BEGIN WITH THE CAGE (FSCM) OF THE CONTRACTOR NAMED ON THE CONTRACT, FOLLOWED BY A DASH AND THE 2 DIGIT YEAR OF MANUFACTURE, FOLLOWED BY A DASH AND A SEQUENTIALLY UNIQUE 3 DIGIT NUMBER. A CONTRACTOR WHO RECEIVES NUMEROUS INTERMITTENT CONTRACTS SHALL START SERIALIZATION OF ITEM WITH THE NEXT NUMBER IN SEQUENCE OF THE PRIOR CONTRACT. IF A CONTRACT PRODUCES MORE THAN 999 ITEMS, THE SERIAL NUMBER SHOULD BEGIN USING 4 DIGIT SERIAL NUMBERS. THE SERIAL NUMBER SHOULD APPEAR LIKE THIS: "S/N 98747-00-001.		
10. MATERIAL SPECIFICATIONS: 300M STEEL MATERIAL PER SAE AMS 6419 IN LIEU OF AMS 6419. 17-4PH MATERIAL PER SAE AMS 5643 IN LIEU OF AMS 5643. BERYLLIUM COPPER MATERIAL PER ASTM B 196 IN LIEU OF QQ-C-530.		
11. MATERIAL CLEANLINESS PER SAE AMS 2300 IN LIEU OF AMS 2300.		
12. SHOT PEEN PER SAE AMS-S-13165 MAY BE USED AS AN ALTERNATE TO PS 14023, BUT ALL REQUIREMENTS OF DRAWING 68A412702, NOTE 23 WILL BE ACCOMPLISHED WITH EXCEPTION NOTED ON DRAWING.		
PREPARED BY DENISE S. BISHOP	SYMBOL LGMPM	DATE 26 FEB 02

REV:	ENGINEERING DATA REQUIREMENTS CONTINUATION SHEET (ATTACHMENT "A")	
PART NUMBER 68A412702-1001	NATIONAL STOCK NUMBER 1620-01-235-2927	
<p>13. TEMPER ETCH PER MIL-STD-867 AS AN ALTERNATE TO PS 21205</p> <p>14. INSPECTION PER SAE AMS-F-7190 AS AN ALTERNATE TO PS 23006.</p> <p>15. PASSIVATE PER SAE AMS-QQ-P-35, ASTM A967 AS AN ALTERNATE TO PS 13001.</p> <p>16. HEAT TREAT PER SAE AMS-H-7199 AS AN ALTERNATE TO PS 15935.</p> <p>17. HEAT TREAT PER SAE AMS-H-6875 AS AN ALTERNATE TO PS 15296 , PS 15227 AND PS 15351 IN LIEU OF PS 15251 (NOTE 14, DWG 68A412702).</p> <p>18. PARTS HEAT TREATED TO 180KSI AND ABOVE: ANY SURFACE GROUND/MACHINED AFTER HEAT TREAT, SHALL BE INSPECTED FOR ABUSIVE GRINDING/MACHINING BURNS PER MIL-STD-867. GRINDING SHALL BE PER MIL-STD-866.</p> <p>19. CADMIUM PLATE PER MIL-STD-870 TYPE II ,CLASS 1 IN LIEU OF PS 13444.</p> <p>20. CADMIUM PLATE PER SAE AMS-QQ-P-416 IN LIEU OF QQ-P-416.</p> <p>21. CHROMIUM PLATE PER MIL-STD-1501 TYPE I OR II, CLASS 2 AS AN ALTERNATE TO PS 13102.</p> <p>22. INSPECTION REQUIREMENTS ARE AS FOLLOWS:</p> <p style="margin-left: 40px;">A. MAGNETIC PARTICLE INSPECTION PER ASTM E1444 IN LIEU OF PS 21201. FULL WAVE DIRECT CURRENT (FWDC), WET CONTINUOUS METHOD, FLUORESCENT TYPE WITH THE FOLLOWING ACCEPTANCE/REJECTION CRITERIA: NO DEFECTS ALLOWED. THE INTENT OF NO DEFECTS ALLOWED IS THAT THE INSPECTION IS CONDUCTED AT THE REQUIRED SENSITIVITY LEVEL AND THERE SHALL BE NO INDICATIONS ALLOWED. THE INSPECTOR PERFORMING THE INSPECTION SHALL BE CERTIFIED TO LEVEL II WITH THE INSPECTION PROCEDURE DEVELOPED BY A LEVEL III AS SPECIFIED I NAS-410.</p> <p style="margin-left: 40px;">B. FLUORESCENT PENETRANT INSPECTION PER ASTM E1417, TYPE I, METHOD B OR C LEVEL 3 OR 4 IN LIEU OF PS 21202 WITH THE FOLLOWING ACCEPTANCE/REJECTION CRITERIA: NO DEFECTS ALLOWED. THE INTENT OF NO DEFECTS ALLOWED IS THAT THE INSPECTION IS CONDUCTED AT THE REQUIRED SENSITIVITY LEVEL AND THERE SHALL BE NO INDICATIONS ALLOWED. THE INSPECTOR PERFORMING THE INSPECTION SHALL BE CERTIFIED TO LEVEL II WITH HE INSPECTION PROCEDURE DEVELOPED BY A LEVEL III AS SPECIFIED IN NAS-410.</p> <p>23. FINISH SPECIFICATION 68A900000 WILL NOT BE FURNISHED. THE FOLLOWING FINISH MAY BE USED AS AN ALTERNATE TO PS 13646 (NOTE 31, DWG 68A412702):</p> <p style="margin-left: 40px;">A. APPLY ONE COAT EPOXY WATERBORN PRIMER PER MIL-PRF-85582, TYPE I, CLASS 2. ALTERNATE ONE COAT OF EPOXY POLYIMIDE PRIMER PER MIL-PRF-23377, TYPE I IN LIEU OF MIL-P-23377B.</p> <p style="margin-left: 40px;">B. APPLY TWO TOP COATS POLYURETHANE PER MIL-PRF-85285, TYPE I, COLOR NUMBER 17925 (WHITE) PER FED-STD-595.</p>		
PREPARED BY DENISE S. BISHOP	SYMBOL LGMPM	DATE 26 FEB 02

REV:	ENGINEERING DATA REQUIREMENTS CONTINUATION SHEET (ATTACHMENT "A")	
PART NUMBER 68A412702-1001	NATIONAL STOCK NUMBER 1620-01-235-2927	
<p>24. INSTALL BUSHINGS PER THE FOLLOWING AS AN ALTERNATE TO PS 17034:</p> <p>A. THE BUSHING INSTALLATIONS SHALL BE ACCOMPLISHED IN SUCH A MANNER AS TO AVOID DAMAGE TO THE FINISH ON THE I.D. OF THE HOUSING INTO WHICH THE BUSHING IS INSTALLED, OR THE FINISH OF THE O.D. OF THE BUSHING. FORCED INSTALLATION OF SUB-ZERO INSTALLATIONS, SUCH AS THE USE OF A PRESS OR HAMMER IS NOT PERMITTED, AND IS NOT ACCEPTABLE. A SMALL NON-METALLIC HAMMER MAY BE USED TO TAP THE BUSHING INTO ALIGNMENT WITH THE HOUSING BORE, OR TO SEAT THE BUSHING.</p> <p>B. PRIOR TO BUSHING INSTALLATION, THE PARTS AND HOUSING BORE SHALL BE CLEANED WITH CLEANING SOLVENT TO REMOVE ALL CONTAMINATION.</p> <p>C. LIQUID NITROGEN SHALL BE USED FOR ALL SUB-ZERO INSTALLATIONS UNLESS SOME OTHER SUB-ZERO COOLANT IS SPECIFIED, AND APPROVED BY OO-ALC/LILEC ENGINEERING. THE SOAK TIME OF THE BUSHING IN THE LIQUID NITROGEN SHALL BE SUFFICIENT TO ALLOW THE BUSHING TO REACH THE SAME TEMPERATURE AS THE COOLANT.</p> <p>D. THE BUSHING SHALL BE INSTALLED INTO THE HOUSING IMMEDIATELY UPON REMOVAL FROM THE COOLANT WITH AN ABSOLUTE MINIMUM OF LOST TIME. TRIAL RUNS SHALL BE ACCOMPLISHED AS NECESSARY TO MINIMIZE INSTALLATION TIME WHICH SHOULD BE IN THE ORDER OF ABOUT SEVEN (7) SECONDS MAXIMUM.</p> <p>E. IT MAY OCCASIONALLY BE NECESSARY TO HEAT THE HOUSING INTO WHICH THE BUSHING IS TO BE INSTALLED, IN ADDITION TO SUB-ZERO COOLING OF THE BUSHING. DETAIL PARTS IN PROCESS, WHICH DO NOT HAVE PAINT OR SEALANT OR OTHER ORGANIC MATERIAL APPLIED PRIOR TO HEATING, THE PARTS SHALL BE HEATED BY THE USE OF RADIANT HEAT TECHNIQUES, SUCH AS THERMAL BLANKETS, INFRARED LAMPS ETC.; TO THE MAXIMUM TEMPERATURE OF 250 F. THE TEMPERATURE MEASURING DEVICES SHALL BE USED TO MONITOR HEAT AND SHALL BE LOCATED ON AREAS OF THE PART EXPECTED TO REACH MAXIMUM TEMPERATURE. NO SCALING, OXIDATION, OR CORROSION SHALL BE PERMITTED.</p> <p>F. BUSHINGS WITHOUT FLANGES SHALL BE INSTALLED INTO HOUSING BORE WHICH HAS RECEIVED A LIGHT COAT OF SEALANT PER MIL-S-81733. INSTALL SHRUNKEN BUSHING AND WIPE OFF ANY EXCESS SEALANT THAT MAY HAVE EXTRUDED AROUND THE PERIPHERY OF BOTH ENDS OF THE BUSHINGS.</p> <p>G. BUSHINGS WITH FLANGES SHALL BE INSTALLED IN A SIMILAR MANNER AS PARAGRAPH (F) EXCEPT SEALANT SHALL ALSO BE APPLIED TO FACE OR LUG UNDER FLANGE. SEALANT SHALL BE APPLIED IN SUCH A MANNER AS TO ENSURE COMPLETE COVERAGE OF INSIDE FACE OF BUSHING FLANGE WHEN BUSHING IS INSTALLED. WIPE OFF ANY EXCESS SEALANT AROUND PERIPHERY OF BUSHING FLANGE FORMING A BEAD. WIPE ANY EXCESS SEALANT FROM OTHER END OF BUSHING ALSO.</p> <p>H. FOR BUSHINGS WITH EXTERNAL GREASE GROOVES THE INSIDE OF THE LUG WILL BE COATED WITH MIL-C-16173 PRIOR TO BUSHING INSTALLATION AND FACE OF LUG WILL BE COATED WITH MIL-S-81733 PER PARAGRAPH G.</p>		
PREPARED BY DENISE S. BISHOP	SYMBOL LGMPM	DATE 26 FEB 02

REV:	ENGINEERING DATA REQUIREMENTS CONTINUATION SHEET (ATTACHMENT "A")	
PART NUMBER 68A412702-1001	NATIONAL STOCK NUMBER 1620-01-235-2927	
<p>25. FORGING REQUIREMENT:</p> <p>A. THE FORGING SHALL BE PROCURED FROM THE ORIGINAL FORGING SOURCE, USING THE ORIGINAL CERTIFIED FORGING PROCEDURES AND DIES/TOOLING.</p> <p>1. PRIOR TO CONTRACT AWARD, THE DETAILED PART BIDDER SHALL PROVIDE CERTIFICATION, FROM THE FORGING SOURCE, TO THE GOVERNMENT THAT THE CERTIFIED DIES AND PROCEDURES ARE AVAILABLE AND THE FORGING SOURCE HAS AN AGREEMENT WITH THE DETAIL PARTS BIDDER TO PROVIDE FORGINGS FOR THEIR USE IN THE EVENT THEY ARE THE SUCCESSFUL BIDDER.</p> <p>2. PRIOR TO PRODUCTION, FORGING LOT QUALIFICATION SHALL BE ACCOMPLISHED AS SPECIFIED ON THE FORGING DRAWING AND SAE AMS-F-7190 (STEEL). THE DETAILED PART CONTRACTOR SHALL ASSURE THAT THIS HAS BEEN ACCOMPLISHED BY THE FORGING SOURCE AND SHALL SUBMIT CERTIFIED DOCUMENTATION OF ACCOMPLISHMENT TO THE GOVERNMENT.</p> <p>26. FORGING SOURCE, CONTROL AND LOCATION OF DIES:</p> <p>A. FORGING DRAWING: 68A412702 P/N 68A412702-2005</p> <p>B. DIE NUMBER: 4895</p> <p>C. CONTROL OF FORGING PROCESS: BOEING</p> <p>D. LOCATION OF FORGING DIES: PARK DROP FORGE DIV. 777 E. 79TH STREET CLEVELAND, OH. 44103 PHONE: (216) 431-2900</p>		
PREPARED BY DENISE S. BISHOP	SYMBOL LGMPM	DATE 26 Feb 02

SOURCE QUALIFICATION REQUIREMENTS
(PL98-525, SECTION 2319)

STOCK NR (NSN) 1620012352927

PART NUMBER (P/N) 68A412702-1001

NOUN: Cylinder assembly, MLG

AIRCRAFT: F-15E

SECTION C

QUALIFICATION REQUIREMENTS THAT MUST BE SATISFIED TO BECOME A QUALIFIED SOURCE:

1. Because of the need for uninterrupted item support to military aircraft systems while keeping with the requirements of PL 98-525, the current acquisition need not and generally will not be delayed to provide an offeror an opportunity to qualify. Normal acquisition practices at OO-ALC should preclude the denial of opportunity to any interested offeror.
2. The offeror must provide a pre-contract award qualification article, which meets the requirements of the engineering drawings, material specifications, and process specifications. However, successful completion of the qualification testing does not guarantee any contract award. If the offeror is deemed qualified and awarded the contract, a post-contract award first article exhibit may be required to verify production capability.
3. The qualification article will be subjected to form, fit, and function verification as well as required testing to assure compliance with data list and other applicable procurement criteria. The qualification article shall demonstrate full compatibility and comparability with existing parts.
4. The required materials will be procured from a qualified source and shall meet the requirements of their respective specifications. The offeror will assure that the supplier has accomplished this and shall submit certified documentation of accomplishment of the above requirements to the purchaser along with the pre-contract award qualification article.
5. The required forgings shall be procured from the qualified forging source using the original certified forging procedures and dies. Forging material and lot qualifications shall be accomplished as required in the specified forging drawing, P/N 68A412702-1001 and specification MIL-F-7190. The offeror shall assure that this is or has been accomplished by the forging source and will submit certified documentation of accomplishment of the above requirements to the government along with the pre-contract award qualification article.
6. The qualification article once submitted will become subject to such testing as deemed necessary by the U.S. Government to prove that the article meets all dimensional, processing and functional requirements. Such testing may result in the destruction of the article. Following completion of necessary testing and evaluation, the article no matter what its condition shall be returned to the contractor or disposed of at his discretion and direction whether it was found acceptable or not.
7. Form verification: The U.S. Government's Quality Verification Center (QVC) will be used to insure compliance with the dimensional requirements of the article. Material and processing compliance will also be verified as required.
8. Fit/function verification: Existing components and government test stands and fixtures will be utilized to verify physical interface and functional performance of articles.
9. Testing for material and process compliance.
 - (a) Material analysis
 - (b) Heat treat
 - (c) Grinding
 - (d) Plating
 - (e) Finish
 - (f) Grain flow
 - (g) Other

Dated: 11 FEB 02

SOURCE QUALIFICATION REQUIREMENTS

(PL98-525, SECTION 2319)

STOCK NR (NSN) 1620012352927

PART NUMBER (P/N) 68A412702-1001

NOUN: Cylinder assembly, MLG

AIRCRAFT: F-15E

10. Remarks:

- a. Organic verification capabilities exist at OO-ALC.
- b. Testing requirements outside organic capabilities will be contracted out.

11. The estimated cost of government testing and evaluation is \$5000.

12. Maximum time for testing of the qualification article will not exceed 30 days from receipt at testing agency.

SECTION D

QUALIFICATION WAIVER REQUIREMENTS.

1. An offerer who has had previous experience in the manufacture and qualification of items, which can be correlated with this product, may apply to the design control authority at OO-ALC for a waiver of the above stated qualification requirements.

a. The qualification waiver criteria utilized by the design control authority to perform a qualification analysis are available upon request. The qualification waiver criteria may be used as a guide in preparing the offerer's written input to the design control authority.

b. The burden of proof for written inputs is on the offerer. The design control authority will not pursue authenticity verification of claims made by the offerer of product manufacturing experience with other Government or non-Government agencies. Unsubstantiated claims will not be considered in the waiver analysis process.

c. This waiver will be granted if and only if the design control authority (LILE) can establish the qualifications of the offerer through the evaluation of written inputs from the offerer or from previous knowledge of the offerer's capabilities or from previous experience with the offerer on similar item acquisitions. If there is any doubt about the offerer's capability, the offerer will be required to submit a pre-qualification article. There is no guarantee of qualification by similarity. LILE reserves the right to require a pre-qualification article of all offerers.

2. The current acquisition need not and will not be delayed in order to provide an offerer with an opportunity to meet the requirements for qualification waiver.

3. Maximum time for approval of qualification by similarity will not exceed 15 days.

Dated: 11 FEB 02

PACKAGING REQUIREMENTS

PR, MIPR, OR DOCUMENT NUMBER					
FD2020-03-223D					
1. PACKAGING REQUIREMENTS: Block 1 shall always be completed and further defined in Blocks 2, 3, or 4. The term "Item ID" refers to line item number, item name, NSN/MMAC, part number, or any other way of identifying a particular item. MIL-STD-2073-1 represents Military Preservation (PRES) and Packing (PACK). Military packing consists of levels A, B, and Minimum (M). ASTM D3951 could be substituted by another document if specified in Block 2. Quantity Per Unit Pack (QUP) and Commercial Best Practice (CBP) are abbreviated. The reverse side of this form has the European Union environmental requirements.					
ITEM ID	DUP (#)	MIL-STD-2073-1 PRES (X)	COMMERCIAL ATSM D3951 PACK (X)	SPECIAL PACKAGING INSTRUCTION NUMBER	
0001	X	B		F012352927	88060
2. ADDITIONAL PACKAGING AND CONTAINER MARKING REQUIREMENTS (Specify all revisions and dates of required specifications, standards, and data item descriptions (DIDs))					
3. INSTRUCTIONS TO CONTRACTING OFFICER: Insert appropriate clause(s) into Section D for applicable item(s) as indicated below.					
AFMCFARS 5352.247-9005, SHIPPING CONTAINER MARKING. ITEM NAME(s)OR NSN/MMAC	X				
AFMCFARS 5352.247-9006, MARKING OF WARRANTED ITEMS. ITEM NAME(s) OR NSN/MMAC					
AFMCFARS 5352.247-9007, SPECIFICATION COMMERCIAL PACKAGING (ASTM D3951). ITEM NAME(s) OR NSN/MMAC					
AFMCFARS 5352.247-9008, CONTRACTOR COMMERCIAL PACKAGING (Commercial Best Practice). ITEM NAME(s) OR NSN/MMAC					
AFMCFARS 5352.247-9009, MILITARY PACKAGING AND MARKING. ITEM NAME(s) OR NSN/MMAC	X				
AFMCFARS 5352.247-9010, ENGINEERED OR SPECIALIZED CONTAINERS (CDRS). ITEM NAME(s) OR NSN/MMAC					
AFMCFARS 5352.247-9011, PACKAGING AND MARKING OF HAZARDOUS MATERIAL. ITEM NAME(s) OR NSN/MMAC					
AFMCFARS 5352.247-9012, PACKAGING FOR INSPECTION AND ACCEPTANCE AT DESTINATION. ITEM NAME(s) OR NSN/MMAC					
AFMCFARS 5352.247-9013, PACKAGING DATA (Coded end/or Special Packaging Instructions). ITEM NAME(s) OR NSN/MMAC					

[illegible]

SPECIAL PACKAGING INSTRUCTION				CODE ID 98747	SPI NO. (TPD) 01-235-2927																																																																																															
PART OR DRAWING NO. 68A412702-1001		NATIONAL STOCK NO. 1620-01-235-2927		SHEET 1 OF 3																																																																																																
ITEM NOMENCLATURE CYLINDER, MAIN LANDING			CURRENT REV 88060	ILL. E. NYE <i>E. Nye</i> CHK. S. MEIER <i>S. Meier</i> ENGR. V. ELIZONDO <i>V. Elizondo</i> AUTH. B. EVANS <i>B. Evans</i>																																																																																																
PRESERVATION IAW MIL-P-116 LEVEL A METHOD I LEVEL B METHOD I LEVEL C METHOD I QUP 001 ICQ 000 CLEANING C-1 DRYING D-1 PRESERVATIVE MIL-G-81322			PACKING AS SPECIFIED BELOW AND BILL OF MATERIALS <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th>LEVEL</th> <th>SPEC</th> <th>STYLE</th> <th>TYPE</th> <th>CL</th> <th>VRTY</th> <th>GR</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>MIL-B-26195(MOD)</td> <td>A</td> <td>II</td> <td>1</td> <td></td> <td></td> </tr> <tr> <td>B</td> <td>MIL-B-26195(MOD)</td> <td>A</td> <td>I</td> <td>1</td> <td></td> <td></td> </tr> <tr> <td>C</td> <td>MIL-B-26195(MOD)</td> <td>A</td> <td>I</td> <td>1</td> <td></td> <td></td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th></th> <th>LEVEL A</th> <th>LEVEL B</th> <th>LEVEL C</th> </tr> </thead> <tbody> <tr> <td>GROSS CU FT</td> <td>9.688</td> <td>9.688</td> <td>9.688</td> </tr> <tr> <td>GROSS WT LBS</td> <td>120</td> <td>120</td> <td>120</td> </tr> <tr> <td>DESIGN FRAGILITY G</td> <td>110</td> <td>110</td> <td>110</td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th></th> <th>LENGTH</th> <th>WIDTH</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>CNTR I.D.</td> <td>29</td> <td>25</td> <td>15</td> </tr> <tr> <td>CNTR O.D.</td> <td>31</td> <td>27</td> <td>20</td> </tr> <tr> <td>ITEM DIM</td> <td>24 3/4</td> <td>21</td> <td>9</td> </tr> <tr> <td>ITEM WT LBS</td> <td>64</td> <td></td> <td></td> </tr> </tbody> </table>			LEVEL	SPEC	STYLE	TYPE	CL	VRTY	GR	A	MIL-B-26195(MOD)	A	II	1			B	MIL-B-26195(MOD)	A	I	1			C	MIL-B-26195(MOD)	A	I	1				LEVEL A	LEVEL B	LEVEL C	GROSS CU FT	9.688	9.688	9.688	GROSS WT LBS	120	120	120	DESIGN FRAGILITY G	110	110	110		LENGTH	WIDTH	DEPTH	CNTR I.D.	29	25	15	CNTR O.D.	31	27	20	ITEM DIM	24 3/4	21	9	ITEM WT LBS	64																																	
LEVEL	SPEC	STYLE	TYPE	CL	VRTY	GR																																																																																														
A	MIL-B-26195(MOD)	A	II	1																																																																																																
B	MIL-B-26195(MOD)	A	I	1																																																																																																
C	MIL-B-26195(MOD)	A	I	1																																																																																																
	LEVEL A	LEVEL B	LEVEL C																																																																																																	
GROSS CU FT	9.688	9.688	9.688																																																																																																	
GROSS WT LBS	120	120	120																																																																																																	
DESIGN FRAGILITY G	110	110	110																																																																																																	
	LENGTH	WIDTH	DEPTH																																																																																																	
CNTR I.D.	29	25	15																																																																																																	
CNTR O.D.	31	27	20																																																																																																	
ITEM DIM	24 3/4	21	9																																																																																																	
ITEM WT LBS	64																																																																																																			
MARKING IAW MIL-STD-129 SPECIAL MARKINGS: A) SPI NO. 01-235-2927 MARK THE SPI NUMBER ON ONE SIDE OF THE CONTAINER AND ON ALL REMOVABLE DUNNAGE. B) CAUTION: LIFT BY BASE ONLY C) TO OPEN REMOVE BOTTOM LAG BOLTS			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="text-align: center;">REVISIONS</th> </tr> <tr> <th>LTR</th> <th>DESCRIPTION</th> <th>DATE</th> <th>APRVD</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>			REVISIONS				LTR	DESCRIPTION	DATE	APRVD																																																																																							
REVISIONS																																																																																																				
LTR	DESCRIPTION	DATE	APRVD																																																																																																	
CLOSURE IN ACCORDANCE WITH MIL-B-26195																																																																																																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>P/N</th> <th>QTY REQD</th> <th>NOMENCLATURE OR DESCRIPTION</th> <th>SIZE (INCHES UNLESS SPECIFIED)</th> <th>MATERIAL SPECIFICATION</th> </tr> </thead> <tbody> <tr><td>-18</td><td>16</td><td>CORNER STRAPS</td><td>.028 X 3/4 X 12</td><td>QQ-S-781 CLASS I, TYPE II, FIN A</td></tr> <tr><td>-17</td><td>12</td><td>WASHERS</td><td>1/4 DIA</td><td>FF-W-92 TYPE A, GRADE I, CLASS A</td></tr> <tr><td>-16</td><td>12</td><td>LAG BOLTS</td><td>1/4 X 2 1/2</td><td>FF-B-561 TYPE I, STYLE 1, GR B</td></tr> <tr><td>-15</td><td>1</td><td>STRAPPING</td><td>.035 X 1 1/4 X 29</td><td>QQ-S-781 CLASS I, TYPE I, HVY DUTY, FIN A</td></tr> <tr><td>-14</td><td>1</td><td>STRAPPING</td><td>.035 X 1 1/4 X 15</td><td>QQ-S-781 CLASS I, TYPE I, HVY DUTY, FIN A</td></tr> <tr><td>-13</td><td>A/R</td><td>NYLON TAPE</td><td>AS REQUIRED X 3/4</td><td>PPP-T-97 TYPE III</td></tr> <tr><td>-12</td><td>1</td><td>WRAP</td><td>AS REQUIRED</td><td>MIL-B-121 TYPE I, GRADE A, CLASS 2</td></tr> <tr><td>-11</td><td>3</td><td>CHAFFING STRIPS</td><td>AS REQUIRED X 3 X 1/4</td><td>PPP-P-115 TYPE I OR EQUAL</td></tr> <tr><td>-10</td><td>9</td><td>NUTS</td><td>3/8 DIA</td><td>FF-N-836 TYPE II, STYLE 4 (HEX)</td></tr> <tr><td>-9</td><td>9</td><td>WASHERS</td><td>3/8 DIA</td><td>FF-W-92 TYPE A, GRADE I, CLASS A</td></tr> <tr><td>-8</td><td>5</td><td>TORQUE WASHERS</td><td>TO FIT 3/8 BOLT</td><td>MS-98398 SEE NOTE 1</td></tr> <tr><td>-7</td><td>4</td><td>BOLTS</td><td>3/8 X 6</td><td>FF-B-584 TYPE I, CLASS I, STYLE A</td></tr> <tr><td>-6</td><td>5</td><td>BOLTS</td><td>3/8 X 5</td><td>FF-B-584 TYPE I, CLASS I, STYLE A</td></tr> <tr><td>-5</td><td>1</td><td>BASE</td><td>29 X 25 X 1/2</td><td>NN-P-530 GROUP B</td></tr> <tr><td>-4</td><td>1</td><td>SADDLE</td><td>2 X 4(NOM) X 25</td><td>MIL-STD-731 CLASS 2</td></tr> <tr><td>-3</td><td>1</td><td>SADDLE</td><td>2 X 4(NOM) X 13 1/2</td><td>MIL-STD-731 CLASS 2</td></tr> <tr><td>-2</td><td>2</td><td>HEADERS</td><td>2 X 2(NOM) X 29</td><td>MIL-STD-731 CLASS 2</td></tr> <tr><td>-1</td><td>2</td><td>SKIDS</td><td>4 X 4(NOM) X 27</td><td>MIL-STD-731 CLASS 2</td></tr> </tbody> </table>						P/N	QTY REQD	NOMENCLATURE OR DESCRIPTION	SIZE (INCHES UNLESS SPECIFIED)	MATERIAL SPECIFICATION	-18	16	CORNER STRAPS	.028 X 3/4 X 12	QQ-S-781 CLASS I, TYPE II, FIN A	-17	12	WASHERS	1/4 DIA	FF-W-92 TYPE A, GRADE I, CLASS A	-16	12	LAG BOLTS	1/4 X 2 1/2	FF-B-561 TYPE I, STYLE 1, GR B	-15	1	STRAPPING	.035 X 1 1/4 X 29	QQ-S-781 CLASS I, TYPE I, HVY DUTY, FIN A	-14	1	STRAPPING	.035 X 1 1/4 X 15	QQ-S-781 CLASS I, TYPE I, HVY DUTY, FIN A	-13	A/R	NYLON TAPE	AS REQUIRED X 3/4	PPP-T-97 TYPE III	-12	1	WRAP	AS REQUIRED	MIL-B-121 TYPE I, GRADE A, CLASS 2	-11	3	CHAFFING STRIPS	AS REQUIRED X 3 X 1/4	PPP-P-115 TYPE I OR EQUAL	-10	9	NUTS	3/8 DIA	FF-N-836 TYPE II, STYLE 4 (HEX)	-9	9	WASHERS	3/8 DIA	FF-W-92 TYPE A, GRADE I, CLASS A	-8	5	TORQUE WASHERS	TO FIT 3/8 BOLT	MS-98398 SEE NOTE 1	-7	4	BOLTS	3/8 X 6	FF-B-584 TYPE I, CLASS I, STYLE A	-6	5	BOLTS	3/8 X 5	FF-B-584 TYPE I, CLASS I, STYLE A	-5	1	BASE	29 X 25 X 1/2	NN-P-530 GROUP B	-4	1	SADDLE	2 X 4(NOM) X 25	MIL-STD-731 CLASS 2	-3	1	SADDLE	2 X 4(NOM) X 13 1/2	MIL-STD-731 CLASS 2	-2	2	HEADERS	2 X 2(NOM) X 29	MIL-STD-731 CLASS 2	-1	2	SKIDS	4 X 4(NOM) X 27	MIL-STD-731 CLASS 2
P/N	QTY REQD	NOMENCLATURE OR DESCRIPTION	SIZE (INCHES UNLESS SPECIFIED)	MATERIAL SPECIFICATION																																																																																																
-18	16	CORNER STRAPS	.028 X 3/4 X 12	QQ-S-781 CLASS I, TYPE II, FIN A																																																																																																
-17	12	WASHERS	1/4 DIA	FF-W-92 TYPE A, GRADE I, CLASS A																																																																																																
-16	12	LAG BOLTS	1/4 X 2 1/2	FF-B-561 TYPE I, STYLE 1, GR B																																																																																																
-15	1	STRAPPING	.035 X 1 1/4 X 29	QQ-S-781 CLASS I, TYPE I, HVY DUTY, FIN A																																																																																																
-14	1	STRAPPING	.035 X 1 1/4 X 15	QQ-S-781 CLASS I, TYPE I, HVY DUTY, FIN A																																																																																																
-13	A/R	NYLON TAPE	AS REQUIRED X 3/4	PPP-T-97 TYPE III																																																																																																
-12	1	WRAP	AS REQUIRED	MIL-B-121 TYPE I, GRADE A, CLASS 2																																																																																																
-11	3	CHAFFING STRIPS	AS REQUIRED X 3 X 1/4	PPP-P-115 TYPE I OR EQUAL																																																																																																
-10	9	NUTS	3/8 DIA	FF-N-836 TYPE II, STYLE 4 (HEX)																																																																																																
-9	9	WASHERS	3/8 DIA	FF-W-92 TYPE A, GRADE I, CLASS A																																																																																																
-8	5	TORQUE WASHERS	TO FIT 3/8 BOLT	MS-98398 SEE NOTE 1																																																																																																
-7	4	BOLTS	3/8 X 6	FF-B-584 TYPE I, CLASS I, STYLE A																																																																																																
-6	5	BOLTS	3/8 X 5	FF-B-584 TYPE I, CLASS I, STYLE A																																																																																																
-5	1	BASE	29 X 25 X 1/2	NN-P-530 GROUP B																																																																																																
-4	1	SADDLE	2 X 4(NOM) X 25	MIL-STD-731 CLASS 2																																																																																																
-3	1	SADDLE	2 X 4(NOM) X 13 1/2	MIL-STD-731 CLASS 2																																																																																																
-2	2	HEADERS	2 X 2(NOM) X 29	MIL-STD-731 CLASS 2																																																																																																
-1	2	SKIDS	4 X 4(NOM) X 27	MIL-STD-731 CLASS 2																																																																																																

SPI NO. 01-235-2927

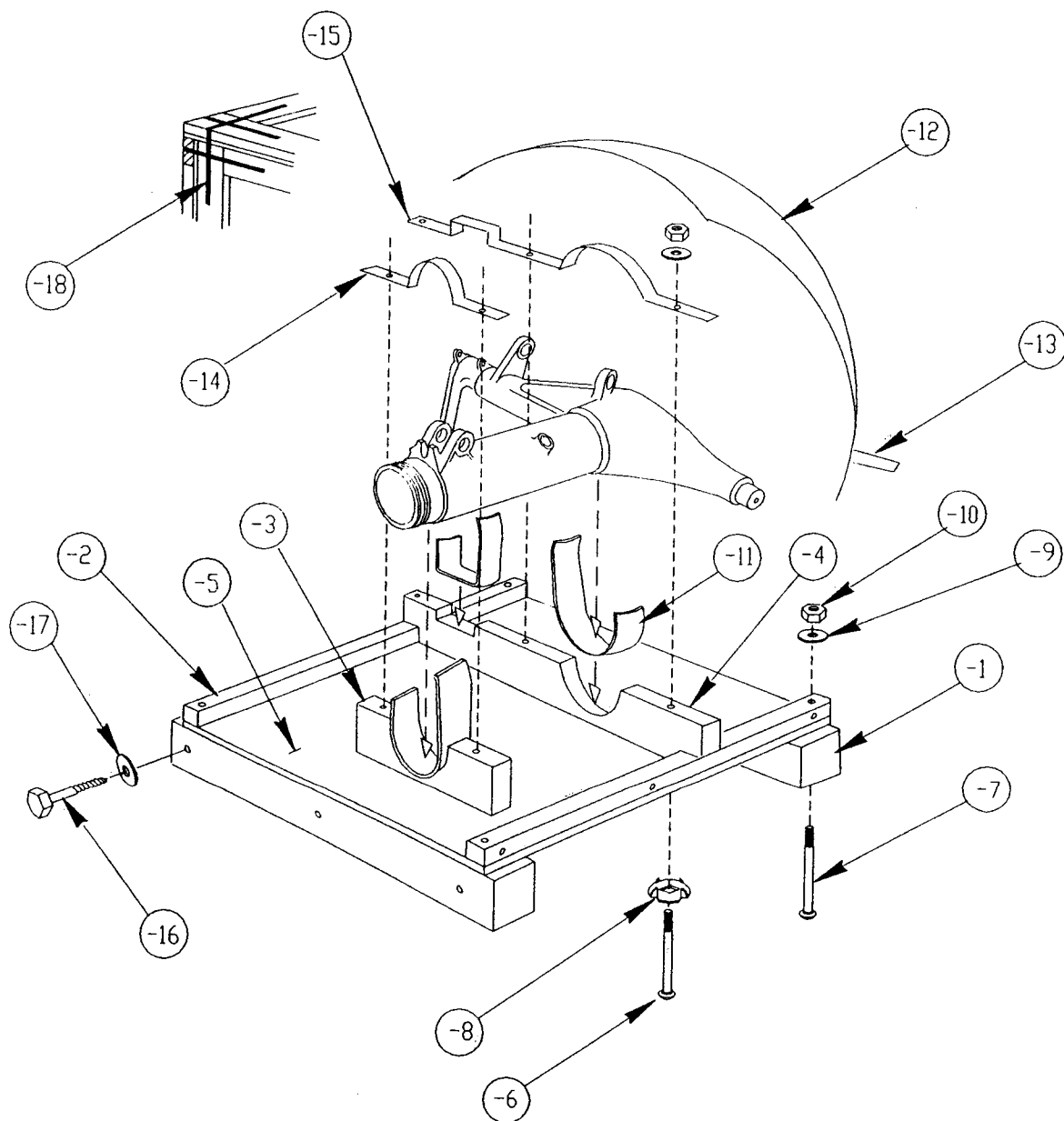
SPECIAL PACKAGING INSTRUCTION

CODE ID
98747

SPI NO. (TPD)
01-235-2927

ITEM NOMENCLATURE
CYLINDER, MAIN LANDING

SHEET 2 OF 3



SPECIAL PACKAGING INSTRUCTION

CODE ID

98747

SPI NO. (TPD)

01-235-2927

ITEM NOMENCLATURE

CYLINDER, MAIN LANDING

SHEET 3 OF 3

NOTES:

1. SOURCE OF SUPPLY FOR TORQUE WASHERS,
CATALOG NO. MS-98398: CARR FASTENER CO.
31 AMES ST
CAMBRIDGE MASS. 02142

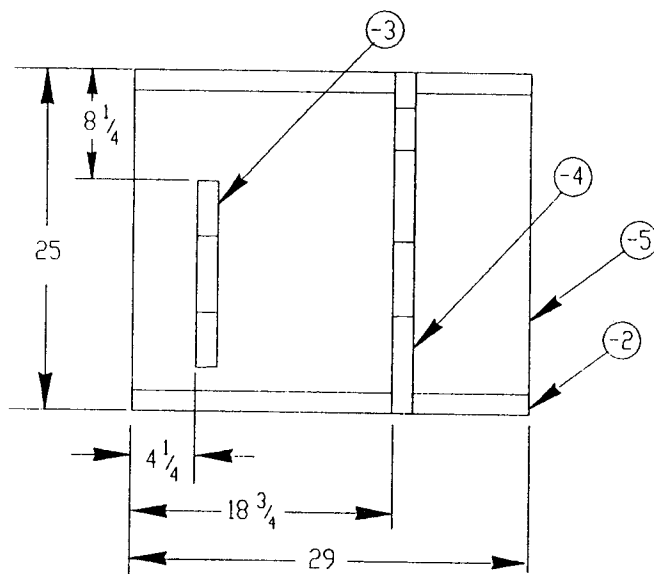
2. UNLESS OTHERWISE SPECIFIED, DIMENSIONS
WILL BE IN INCHES. TOLERANCES: $\pm 1/16$

3. PRESERVE CRITICAL AREAS WITH MIL-G-81322
OR EQUAL. WRAP WITH -12 USING -13 AS REQUIRED
TO SECURE WRAP.

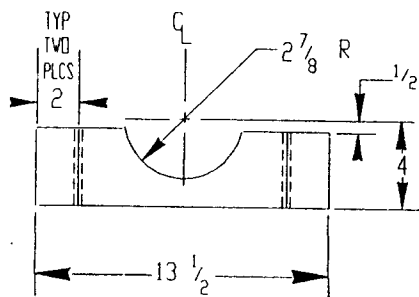
4. CHAFFING STRIP, -11, SHALL BE USED AT ALL
POINTS WHERE ITEM CONTACTS WOOD BLOCKING AND
METAL STRAPPING. CHAFFING STRIPS SHALL BE
HELD IN PLACE WITH STAPLES, FF-N-105, TYPE III,
STYLE 3. SIZE OF STAPLES SHALL BE: 1/2" CROWN,
14 GAGE, 1/2" LENGTH.

5. USE -18, CORNER STRAPPING ON LEVEL A PACK
ONLY.

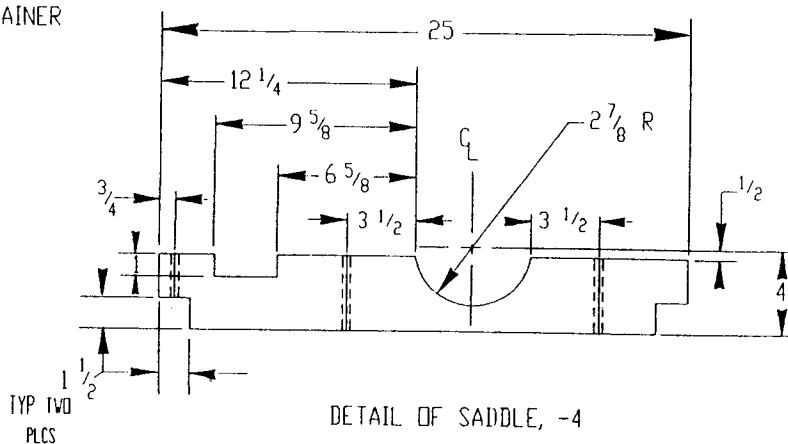
6. JOISTS WILL BE PROVIDED IN SUPERSTRUCTURE
IN ACCORDANCE WITH MIL-B-26195.



DETAIL, SHOWING POSITIONING OF
BLOCKING ON BASE OF CONTAINER



DETAIL OF SADDLE, -3



DETAIL OF SADDLE, -4